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(21) International Application Number: PCT US00 12104 (22) International Filing Date: 4 May 2000 (04.05.00) (30) Priority Data: 60/134,362                      14 May 1999 (14.05.99)                      US (71) Applicants ( <i>for all designated States except US</i> ): SMITHK- LINE BEECHAM CORPORATION [US US]; One Franklin Plaza, Philadelphia, PA 19103 (US); SMITHK- LINE BEECHAM PLC [GB GB]; New Horizons Court, Brentford, Great West Road, Middlessex TW8 9EP (GB). (72) Inventor; and (75) Inventor/Applicant ( <i>for US only</i> ): DEWOLF, Walter, E. [US US]; 64 Glen Manor Lane, Glenmoore, PA 19343 (US). (74) Agents: GIMMI, Edward, R. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).		(81) Designated States: JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published <i>Without international search report and to be republished          upon receipt of that report.</i>
(54) Title: METHODS USING OF FAB I AND COMPOUNDS MODULATING FAB I ACTIVITY  (57) Abstract  Prokaryotic FAB I polypeptides and DNA (RNA) encoding such FAB I and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such FAB I for the treatment of infection, such as bacterial infections. Antagonists against such FAB I and their use as a therapeutic to treat /infections, such as staphylococcal infections are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to the presence of FAB I nucleic acid sequences and the polypeptides in a host. Also disclosed are diagnostic assays for detecting polynucleotides encoding FAB I and for detecting the polypeptide in a host.		